

Amendments to the Claims

The following is a complete listing of the status of all claims that have been pending in this application. Please amend the claims as follows:

1. (Original) A method of tunneling operating codes received from an endpoint in a network to a call server, the method comprising the steps of:
 - receiving a command from the call server to notify the call server of the receipt of one or more operating codes from the endpoint;
 - confirming the command with the call server; and
 - if and when the operating codes are received from the endpoint, encapsulating the operating codes within a message and sending the message to the call server.
2. (Original) The method of claim 1 wherein the message is a Megaco/H.248 notify message.
3. (Original) A method of tunneling operating codes received from a call server to an endpoint in a network, the method comprising the steps of:
 - receiving a command from the call server, the command including one or more operating codes encapsulated within;
 - confirming the command with the call server; and
 - de-encapsulating the operating codes within the command and forwarding the operating codes to the endpoint.
4. (Original) The method of claim 3 wherein the command is formatted according to Megaco/H.248 protocol.

5. (Original) A method of receiving operating codes from an endpoint in a network, the method comprising the steps of:

 sending a command to a media gateway to send a notification if and when one or more operating codes are received by the media gateway from the endpoint; and

 receiving a message from the media gateway, the message having the one or more operating codes encapsulated within.

6. (Original) The method of claim 5 wherein the message is a Megaco/H.248 notify message.

7. (Original) A method of sending operating codes to an endpoint in a network, the method comprising the steps of:

 encapsulating one or more operating codes within a command; and

 sending the command to a media gateway to be forwarded to the endpoint so that the operating codes are tunneled to the endpoint.

8. (Original) The method of claim 7 wherein the command is formatted according to Megaco/H.248 protocol and a confirmation of the command is received from the media gateway.

9. (Currently Amended) A computer program product for enabling a media gateway to tunnel operating codes between a call server and an endpoint in a network, the computer program product having a media with a computer program embodied thereon, the computer program comprising:

 instructions for receiving commands from the call server, at least some commands including one or more operating codes from the ~~all~~ call server

encapsulated within;

instructions for de-encapsulating the operating codes from the call server;

instructions for confirming commands with the call server; and

instructions for encapsulating one or more operating codes from the endpoint within a message and sending the message to the call server.

10. (Original) The computer program product of claim 9 wherein the commands and the message are formatted according to Megaco/H.248 protocol.

11. (Original) A computer program product for enabling a call server to exchange operating codes with an endpoint at a media gateway, the computer program product having a media with a computer program embodied thereon, the computer program comprising:

instructions for encapsulating one or more operating codes from the call server within a command and sending the command to the media gateway to be forwarded to the endpoint; and

instructions for receiving a message from the media gateway, the message having one or more operating codes from the endpoint encapsulated within.

12. (Original) The computer program product of claim 11 wherein the command and the message are formatted according to Megaco/H.248 protocol.

13. (Original) Apparatus for tunneling operating codes between a call server and a network endpoint, the apparatus comprising:

means for receiving commands from the call server, at least some commands including one or more operating codes from the call server encapsulated within;

means for de-encapsulating the operating codes from the call server;

means for confirming commands with the call server; and
means for encapsulating one or more operating codes from the endpoint within a message and sending the message to the call server.

14. (Original) Apparatus for controlling an endpoint device connected to a media gateway by exchanging operating codes with the device, the apparatus comprising:

means for encapsulating one or more operating codes from the apparatus within a command and sending the command to the media gateway to be forwarded to the device; and

mean for receiving a message from the media gateway; the message having one or more operating codes from the device encapsulated within.

15. (Original) A media gateway comprising:

a switching fabric;

one or more network interfaces connected to the switching fabric; and

a computing module connected to the switching fabric for controlling the switching fabric to de-encapsulate operating codes from the call server to tunnel the operating codes from the call server to an endpoint, and encapsulate one or more operating codes from the endpoint to tunnel the operating codes from the endpoint to the call server.

16. (Original) The media gateway of claim 15 wherein the command and the message are formatted according to Megaco/H.248 protocol.

17. (Original) A programmed computer system having connections for at least one media gateway, the programmed computer system including a computer program comprising:

computer program code for encapsulating one or more operating codes from the computer system within a command and sending the command to the media gateway to be forwarded to a network endpoint; and

computer program code for receiving a message from the media gateway, the message having one or more operating codes from the endpoint encapsulated within.

18. (Original) The computer system of claim 17 wherein the command and the message are formatted according to Megaco/H.248 protocol.

19. (Original) A system for controlling a device connected to an endpoint at a media gateway by exchanging operating codes with the endpoint, the system comprising:

a call server operable to send operating codes to the endpoint encapsulated in commands and to receive operating codes from the endpoint encapsulated in messages; and

a media gateway connected to the call server operable to tunnel operating codes from the call server to the device and from the device to the call server.

20. (Original) The system of claim 19 wherein the commands and the messages are formatted according to Megaco/H.248 protocol.

21. (Original) The system of claim 19 wherein the call server further comprises a service control module and a media gateway controller.

22. (Original) The system of claim 20 wherein the call server further comprises a service control module and a media gateway controller.